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**TRANSMITTAL
FORM**

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/604,400
	Filing Date	July 17, 2003
	First Named Inventor	Eric T. Kool
	Art Unit	1645
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	12665.0024.NPUS01

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks FORM PTO-1449 W/CITED REFERENCES; POSTCARD		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	HOWREY SIMON ARNOLD & WHITE LLP CHRISTOPHER J. BUNTEL, PH.D., REG. 44,573
Signature	
Date	October 27, 2003

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

ERIC T. KOOL

Serial No.: 10/604,400

Confirmation No.: 1399

Filed: July 17, 2003

For: DETECTION OF CHEMICAL LIGATION
USING FLUORESCENCE QUENCHING
LEAVING GROUPS

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Group Art Unit: 1645

Examiner:

Att'y Docket: 12665.0024.NPUS01

Client Docket: S01-203

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

IDS

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this document, the Commissioner is hereby authorized to deduct the fees from Howrey Simon Arnold & White, LLP Deposit Account 01-2508/12665.0024.NPUS01.

Applicant respectfully requests that the listed documents be made of record in the present case.

Respectfully submitted,



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October 27, 2003

Form PTO-1449 (modified)

Atty. Docket No.
12665.0024.NPUS01Serial No.
10/604,400

List of Patents and Publications for Applicant's

Applicant
Eric T. Kool

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
July 17, 2003Group:
1645U.S. Patent Documents
N/AForeign Patent Documents
N/AOther Art
See Page 3

Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"Nucleophilic Reactions of Some Nucleoside Phosphorothioates;" Stanislav Chladek and Joseph Nagyvary; J. Am. Chem. Soc.; Vol. 94, No. 6, March 22, 1972; pp. 2079-2085
	C2	"Nucleoside S-Alkyl Phosphorothioates. IV. Synthesis of Nucleoside Phosphorothioate Monoesters;" Alan F. Cook; J. Am. Chem. Soc.; Vol. 92, No. 1; January 14, 1970; pp. 190-195
	C3	"Multicolor Molecular Beacons for Allele Discrimination;" Sanjay Tyagi, Diana P. Bratu and Fred Russell Kramer; Nature Biotechnology, Vol. 16, January 1998; pp. 49 - 53
	C4	"Enhancement of Selectivity in Recognition of Nucleic Acids Via Chemical Autoligation;" Sergei M. Gryaznov; Ronald Schultz; Surendra K. Chaturvedi and Robert L. Letsinger; Nucleic Acids Research, Vol. 22, No. 12, June 25, 1994 Oxford University Press; pp. 2366 - 2369
	C5	"A Covalent Lock for Self-Assembled Oligonucleotide Conjugates;" Mathis K. Herrlein, Jeffrey S. Nelson and Robert L. Letsinger; J. Am. Chem. Soc.; Vol. 117, No. 40, October 11, 1995; pp.10151-10152
	C6	"A Novel 5'-Iodonucleoside Allows Efficient Nonenzymatic Ligation of Single-stranded and Duplex DNAs;" Yanzheng Xu and Eric T. Kool; Tetrahedron Letters, Vol. 38, No. 32, August 11, 1997; pp. 5595-5598
	C7	"Quencher as Leaving Group: Efficient Detection of DNA-Joining Reactions;" Shinsuke Sando and Eric T. Kool; J. Am. Chem. Soc., Vol. 124, No. 10, 2002; pp. 2096-2097
	C8	"Molecular Genetic Imaging of RNA in Bacteria by Self-ligation of quenched DNAs;" Shinsuke Sando and Eric T. Kool; Department of Chemistry, Stanford University.
	C9	
	C10	
	C11	
	C12	
	C13	
	C14	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)